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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/826,280

Applicant(s)

BELOUSOV ET AL.

Examiner

HARESH N. PATEL

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 July 2008.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-46 is/are pending in the application.
4a) Of the above claim(s) 37-46 is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-36 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 19 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-8508)
Paper No(s)/Mail Date 1/30/06
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-36 are subject to examination. Claims 37-46 are withdrawn. Applicant's election without traverse of Invention I, claims 1-36 in the reply filed on 7/8/2008 is acknowledged.

Drawings

2. The figures submitted on the filing date of this application are acknowledged.

Information Disclosure Statement

3. An initialed and dated copy of the applicant's IDS form 1449, is attached to the instant Office action, please see attachments section of the attached form PTO-326 containing paper dates.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-36 are rejected under 35 U.S.C. 102(e) as being anticipated by Leonard et al. 7,188,120 (Hereinafter Leonard).

6. Referring to claim 1, Leonard discloses a system for managing administration of computer services provided to users (e.g., col., 4) comprising: a computer system; an operating system running on the computer system (e.g., col., 4); a server process launched by the operating system for providing a service to a user (e.g., col., 5); and an isolated Virtual Private Server (VPS) with a set of services that perform administrative operations relating to one of the server process and the operating system (e.g., col., 5).

7. Referring to claim 2, Leonard discloses the claimed limitations as rejected above. Leonard also discloses wherein the server process is any of a file server, an authentication server, a chroot environment server, a jail environment, a print server, a POP3 server, an IMAP/IMAP4 server, an SMTP server, a scheduler server, a COM/COM+/DCOM server, a cryptographies server, a browser server, a DHCP server, a distributed file system server, a Distributed Link tracking server, an event log server, a reporting server, a file replicator server, an indexing server, a firewall server, a Kerberos server, an IPSEC server, a logon server, a Network DDE server, an NLA server, a performance logs and alerts server, a plug and play server, a print spooler server, a protected storage server, a disk encryption server, a routing server, a remote access server, a system event notification server, a telnet server, an uninterruptible power supply server, a Windows Management Instrumentation (WMI) server, a wireless configuration server, a WMI performance adaptor server, a data base server, a network address translation server, an IRC server, an inetd server, a volume shadow copy server, a boot and remote boot server, a

finger server, a who server, a rexec server, a webster server, a conference server, a zip server, an afbackup server, an ASP server, and a fido server (e.g., col., 3)

8. Referring to claim 3, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the server process is any of an FTP server, a sand box environment server, a chat server, an X windows server, a secure shell (SSH) server, and a socks server (e.g., col., 3).

9. Referring to claim 4, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the server process is a webserver (e.g., col., 3).

10. Referring to claim 5, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the server process is any of a file server, a VPS, a Windows Terminal Service, a domain name server, an SSL server, an instant messaging server, a message write server, a security account manager server, a telephony server, a virtual disk server, a Windows installer server, a radius server, and a backup server (e.g., col., 3).

11. Referring to claim 6, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the server process includes any of a WAP server, Plesk server TM, a Virtuozzo TM server, a Virtuozzo for Windows TM server, a wireless access server, a wireless router and a wireless access point (e.g., col., 3).

12. Referring to claim 7, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the administrative operations include any of: collection of statistics relating to the server process; servicing of requests for management of the server process; servicing of requests for management of operating system functions; servicing of requests for computer system resource allocation; servicing of requests for computer system resource re-allocation; servicing of requests for authorization within the operating system; servicing of requests for authorization within the server process; servicing of requests that the server process is forbidden from executing; servicing of requests that the server process cannot execute; servicing of operations that potentially can cause a fault in the server process; servicing of operations that require multiplexing of server processes; data backup and restore operations, update and patch installation; checking permissions for operations; security-related analysis and operations; audit of operations; application installation and configuration; network and other OS and application parameter configuration; driver installation and upgrade; spam filter operation; firewall installation and configuration; creation and deletion of users; creation and deletion of groups; license-related management; and remote access management (e.g., col., 4).

13. Referring to claim 8, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the multiplexing is performed using separation of requests based on a different network protocol address (e.g., col., 4).

14. Referring to claim 9, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the multiplexing is performed using separation of requests based on a content of a request directed to the server process (e.g., col., 5).

15. Referring to claim 10, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the administrative operations include any of: servicing of requests for authorization within the operating system; servicing of requests for authorization within the server process; creation and deletion of users; creation and deletion of groups; license-related management; remote access management; and security-related analysis and operations (e.g., col., 4).

16. Referring to claim 11, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the administrative operations include any of: servicing of requests that the server process is forbidden from executing; servicing of requests that the server process cannot execute; and servicing of operations that potentially can cause a fault in the server process (e.g., col., 4).

17. Referring to claim 12, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the administrative operations includes application installation and configuration (e.g., col., 4).

18. Referring to claim 13, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the administrative operations includes data backup and restore operations (e.g., col., 4).

19. Referring to claim 14, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein VPS isolation can include any of logical isolation of processes, physical isolation of processes, namespace isolation, data isolation, address isolation, fault isolation and performance isolation (e.g., col., 5).

20. Referring to claim 15, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein VPS isolation includes resource isolation (e.g., col., 5).

21. Referring to claim 16, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the administrative operations include any of servicing of VPS migration requests; servicing of processes migration requests; and servicing of requests for computer system resources (e.g., col., 4).

22. Referring to claim 17, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses a system for managing administration of computer services provided to users (e.g., col., 4) comprising: a computer system (e.g., col., 4); an operating system running on the computer system (e.g., col., 4); a plurality of server processes running within the computer

system that provide a service to a user (e.g., col., 5); and a plurality of administrative servers that perform administrative operations relating to the server processes (e.g., col., 5).

23. Referring to claim 18, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the server processes include any of a file server, an authentication server, a chroot environment server, a jail environment, a print server, a POP3 server, an IMAP/IMAP4 server, a SMTP server, a scheduler server, a COM/COM+/DCOM server, a cryptographics server, a browser server, a DHCP server, a distributed file system server, a Distributed Link tracking server, an event log server, a reporting server, a file replicator server, an indexing server, a firewall server, a Kerberos server, an IPSEC server, a logon server, a Network DDE server, an NLA server, a logs and alerts server, a plug and play server, a print spooler server, a protected storage server, a disk encryption server, a routing server, a remote access server, a system event notification server, a telnet server, an uninterruptible power supply server, a Windows Management Instrumentation (WMI) wireless configuration server, a WMI performance adaptor server, a data base server, a network address translation server, an IRC server, an inetd server, a volume shadow copy server, a boot and remote boot server, a finger server, a who server, a rexec server, a webster server, a conference server, a zip server, an afbackup server, an ASP server, a fido server, WAP servers, Plesk server TM, Virtuozzo TM servers, Virtuozzo for Windows TM servers, wireless access servers, wireless routers and wireless access points (e.g., col., 3).

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24. Referring to claim 19, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the server process is any of an FTP server, a sand box environment server, a chat server, an X windows server, a secure shell (SSH) server, and a socks server (e.g., col., 3).

25. Referring to claim 20, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the server process is a webserver (e.g., col., 3).

26. Referring to claim 21, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the server process is any of a file server, a VPS, a Windows Terminal Service, a domain name server, an SSL server, an instant messaging server, a message write server, a security account manager server, a telephony server, a virtual disk server, a Windows installer server, a radius server, and a backup server (e.g., col., 3).

27. Referring to claim 22, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the administrative operations include any of: collection of statistics relating to the server process; servicing of requests for management of the server process; servicing of requests for management of operating system functions; servicing of requests for computer system resource allocation; servicing of requests for computer system resource re-allocation; servicing of operations that require multiplexing of server processes; data backup and restore operations, update installation; security-related analysis and operations; audit

of operations; network and other OS and application parameter configuration; driver installation and upgrade; spam filter operation; and firewall installation and configuration (e.g., col., 4).

28. Referring to claim 23, Leonard discloses the claimed limitations as rejected above. Leonard also discloses wherein the multiplexing is based on a network protocol addressing (e.g., col., 4).

29. Referring to claim 24, Leonard discloses the claimed limitations as rejected above. Leonard also discloses wherein the multiplexing is based on a content of a request directed to the server process (e.g., col., 5).

30. Referring to claim 25, Leonard discloses the claimed limitations as rejected above. Leonard also discloses wherein the administrative operations include any of: servicing of requests for authorization within the operating system; servicing of requests for authorization within the server process; checking permissions for operations; creation and deletion of users; creation and deletion of groups; license-related management; remote access management; and security-related analysis and operations (e.g., col., 4).

31. Referring to claim 26, Leonard discloses the claimed limitations as rejected above. Leonard also discloses wherein the administrative operations include any of: servicing of requests that the server process is forbidden from executing; and servicing of operations that potentially can cause a fault in the server process (e.g., col., 4).

32. Referring to claim 27, Leonard discloses the claimed limitations as rejected above. Leonard also discloses wherein the administrative operations include application installation and configuration (e.g., col., 4).

33. Referring to claim 28, Leonard discloses the claimed limitations as rejected above. Leonard also discloses wherein the administrative operations include data backup and restore operations (e.g., col., 4).

34. Referring to claim 29, Leonard discloses the claimed limitations as rejected above. Leonard also discloses wherein VPS isolation can include any of logical isolation of processes, physical isolation of processes, namespace isolation, data isolation, address isolation, fault isolation and performance isolation (e.g., col., 5).

35. Referring to claim 30, Leonard discloses the claimed limitations as rejected above. Leonard also discloses wherein VPS isolation includes resource isolation (e.g., col., 5).

36. Referring to claim 31, Leonard discloses the claimed limitations as rejected above. Leonard also discloses wherein the administrative operations include any of: servicing of VPS migration requests; servicing of processes migration requests; and servicing of requests for computer system resources (e.g., col., 4).

37. Referring to claim 32, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses a system for managing computer services provided to users comprising: a computer system; an operating system running on the computer system; a plurality of server processes running within the computer system that provide a service to a user; and an administrative server that instantiates and terminates the server processes in response to user requests for the service (e.g., col., 5).

38. Referring to claim 33, Leonard discloses the claimed limitations as rejected above.

Leonard also discloses wherein the server processes include any of a webserver, a file server, an FTP server, an authentication server, a VPS, a chroot environment server, a jail environment, a sand box environment server, a print server and a Windows Terminal Service, a POP3 server, an IMAP/IMAP4 server, a SMTP server, a scheduler server, a COM/COM+/DCOM server, a cryptographics server, a browser server, a DHCP server, a Distributed file system server, a Distributed Link tracking server, an event log server, a reporting server, a DNS server, a file replicator server, an SSL server, an indexing server, a firewall server, a Kerberos server, an IPSEC server, an instant messaging server, a message write server, a logon server, a Network DDE server, an NLA server, a performance logs and alerts server, a plug and play server, a print spooler server, a protected storage server, a disk encryption server, a routing server, a remote access server, a security account manager server, a system event notification server, a telnet server, a telephony server, an uninterruptible power supply server, a virtual disk server, a Windows installer server, a Windows management instrumentation wireless configuration server, a WMI performance adaptor server, a data base server, a Network address translation

server, an IRC server, a chat server, an X windows server, an inetd server, a volume shadow copy server, a boot and remote boot server, a finger server, a secure shell (SSH) server, a who server, a rexec server, a webster server, a conference server, a radius server, a zip server, a socks server, an afbackup server, a backup server, an ASP server, a fido server, a WAP server, Plesk server TM, a Virtuozzo TM server, a Virtuozzo for Windows TM server, a wireless access server, a wireless router and a wireless access point (e.g., col., 3).

39. Referring to claim 34, Leonard discloses the claimed limitations as rejected above. Leonard also discloses wherein the instantiation is based on a network protocol addressing of the user requests (e.g., col., 4).

40. Referring to claim 35, Leonard discloses the claimed limitations as rejected above. Leonard also discloses wherein the instantiation is based on a content of the user requests (e.g., col., 4).

41. Referring to claim 36, Leonard discloses the claimed limitations as rejected above. Leonard also discloses a system for managing computer services provided to users (e.g., col., 4) comprising: an operating system running on a computer system (e.g., col., 4); a plurality of server processes running within the computer system that provide a service to a user (e.g., col., 5); and means for instantiating and terminating the server processes in response to user requests for the service (e.g., col., 5).

42. Claims 1-36 are rejected under 35 U.S.C. 102(e) as being anticipated by Huang et al. 7,219,354 (Hereinafter Huang).

43. Referring to claim 1, Huang discloses a system for managing administration of computer services provided to users (e.g., col., 6) comprising: a computer system; an operating system running on the computer system (e.g., col., 6); a server process launched by the operating system for providing a service to a user (e.g., col., 7); and an isolated Virtual Private Server (VPS) with a set of services that perform administrative operations relating to one of the server process and the operating system (e.g., col., 7).

44. Referring to claim 2, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the server process is any of a file server, an authentication server, a chroot environment server, a jail environment, a print server, a POP3 server, an IMAP/IMAP4 server, an SMTP server, a scheduler server, a COM/COM+/DCOM server, a cryptographies server, a browser server, a DHCP server, a distributed file system server, a Distributed Link tracking server, an event log server, a reporting server, a file replicator server, an indexing server, a firewall server, a Kerberos server, an IPSEC server, a logon server, a Network DDE server, an NLA server, a performance logs and alerts server, a plug and play server, a print spooler server, a protected storage server, a disk encryption server, a routing server, a remote access server, a system event notification server, a telnet server, an uninterruptible power supply server, a Windows Management Instrumentation (WMI) server, a wireless configuration server, a WMI performance adaptor server, a data base server, a network address translation server, an IRC server, an inetd server, a volume shadow copy server, a boot and remote boot server, a finger

server, a who server, a rexec server, a webster server, a conference server, a zip server, an afbackup server, an ASP server, and a fido server (e.g., col., 4)

45. Referring to claim 3, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the server process is any of an FTP server, a sand box environment server, a chat server, an X windows server, a secure shell (SSH) server, and a socks server (e.g., col., 4).

46. Referring to claim 4, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the server process is a webserver (e.g., col., 4).

47. Referring to claim 5, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the server process is any of a file server, a VPS, a Windows Terminal Service, a domain name server, an SSL server, an instant messaging server, a message write server, a security account manager server, a telephony server, a virtual disk server, a Windows installer server, a radius server, and a backup server (e.g., col., 4).

48. Referring to claim 6, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the server process includes any of a WAP server, Plesk server TM, a Virtuozzo TM server, a Virtuozzo for Windows TM server, a wireless access server, a wireless router and a wireless access point (e.g., col., 4).

49. Referring to claim 7, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the administrative operations include any of: collection of statistics relating to the server process; servicing of requests for management of the server process; servicing of requests for management of operating system functions; servicing of requests for computer system resource allocation; servicing of requests for computer system resource re-allocation; servicing of requests for authorization within the operating system; servicing of requests for authorization within the server process; servicing of requests that the server process is forbidden from executing; servicing of requests that the server process cannot execute; servicing of operations that potentially can cause a fault in the server process; servicing of operations that require multiplexing of server processes; data backup and restore operations, update and patch installation; checking permissions for operations; security-related analysis and operations; audit of operations; application installation and configuration; network and other OS and application parameter configuration; driver installation and upgrade; spam filter operation; firewall installation and configuration; creation and deletion of users; creation and deletion of groups; license-related management; and remote access management (e.g., col., 6).

50. Referring to claim 8, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the multiplexing is performed using separation of requests based on a different network protocol address (e.g., col., 6).

51. Referring to claim 9, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the multiplexing is performed using separation of requests based on a content of a request directed to the server process (e.g., col., 7).

52. Referring to claim 10, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the administrative operations include any of: servicing of requests for authorization within the operating system; servicing of requests for authorization within the server process; creation and deletion of users; creation and deletion of groups; license-related management; remote access management; and security-related analysis and operations (e.g., col., 6).

53. Referring to claim 11, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the administrative operations include any of: servicing of requests that the server process is forbidden from executing; servicing of requests that the server process cannot execute; and servicing of operations that potentially can cause a fault in the server process (e.g., col., 6).

54. Referring to claim 12, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the administrative operations includes application installation and configuration (e.g., col., 6).

55. Referring to claim 13, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the administrative operations includes data backup and restore operations (e.g., col., 6).

56. Referring to claim 14, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein VPS isolation can include any of logical isolation of processes, physical isolation of processes, namespace isolation, data isolation, address isolation, fault isolation and performance isolation (e.g., col., 7).

57. Referring to claim 15, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein VPS isolation includes resource isolation (e.g., col., 7).

58. Referring to claim 16, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the administrative operations include any of servicing of VPS migration requests; servicing of processes migration requests; and servicing of requests for computer system resources (e.g., col., 6).

59. Referring to claim 17, Huang discloses the claimed limitations as rejected above. Huang also discloses a system for managing administration of computer services provided to users (e.g., col., 6) comprising: a computer system (e.g., col., 6); an operating system running on the computer system (e.g., col., 6); a plurality of server processes running within the computer

system that provide a service to a user (e.g., col., 7); and a plurality of administrative servers that perform administrative operations relating to the server processes (e.g., col., 7).

60. Referring to claim 18, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the server processes include any of a file server, an authentication server, a chroot environment server, a jail environment, a print server, a POP3 server, an IMAP/IMAP4 server, a SMTP server, a scheduler server, a COM/COM+/DCOM server, a cryptographics server, a browser server, a DHCP server, a distributed file system server, a Distributed Link tracking server, an event log server, a reporting server, a file replicator server, an indexing server, a firewall server, a Kerberos server, an IPSEC server, a logon server, a Network DDE server, an NLA server, a logs and alerts server, a plug and play server, a print spooler server, a protected storage server, a disk encryption server, a routing server, a remote access server, a system event notification server, a telnet server, an uninterruptible power supply server, a Windows Management Instrumentation (WMI) wireless configuration server, a WMI performance adaptor server, a data base server, a network address translation server, an IRC server, an inetd server, a volume shadow copy server, a boot and remote boot server, a finger server, a who server, a rexec server, a webster server, a conference server, a zip server, an afbackup server, an ASP server, a fido server, WAP servers, Plesk server TM, Virtuozzo TM servers, Virtuozzo for Windows TM servers, wireless access servers, wireless routers and wireless access points (e.g., col., 4).

61. Referring to claim 19, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the server process is any of an FTP server, a sand box environment server, a chat server, an X windows server, a secure shell (SSH) server, and a socks server (e.g., col., 4).

62. Referring to claim 20, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the server process is a webserver (e.g., col., 4).

63. Referring to claim 21, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the server process is any of a file server, a VPS, a Windows Terminal Service, a domain name server, an SSL server, an instant messaging server, a message write server, a security account manager server, a telephony server, a virtual disk server, a Windows installer server, a radius server, and a backup server (e.g., col., 4).

64. Referring to claim 22, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the administrative operations include any of: collection of statistics relating to the server process; servicing of requests for management of the server process; servicing of requests for management of operating system functions; servicing of requests for computer system resource allocation; servicing of requests for computer system resource re-allocation; servicing of operations that require multiplexing of server processes; data backup and restore operations, update installation; security-related analysis and operations; audit of operations; network and other OS and application parameter configuration; driver installation and upgrade; spam filter operation; and firewall installation and configuration (e.g., col., 6).

65. Referring to claim 23, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the multiplexing is based on a network protocol addressing (e.g., col., 6).

66. Referring to claim 24, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the multiplexing is based on a content of a request directed to the server process (e.g., col., 7).

67. Referring to claim 25, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the administrative operations include any of: servicing of requests for authorization within the operating system; servicing of requests for authorization within the server process; checking permissions for operations; creation and deletion of users; creation and deletion of groups; license-related management; remote access management; and security-related analysis and operations (e.g., col., 6).

68. Referring to claim 26, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the administrative operations include any of: servicing of requests that the server process is forbidden from executing; and servicing of operations that potentially can cause a fault in the server process (e.g., col., 6).

69. Referring to claim 27, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the administrative operations include application installation and configuration (e.g., col., 6).

70. Referring to claim 28, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the administrative operations include data backup and restore operations (e.g., col., 6).

71. Referring to claim 29, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein VPS isolation can include any of logical isolation of processes, physical isolation of processes, namespace isolation, data isolation, address isolation, fault isolation and performance isolation (e.g., col., 7).

72. Referring to claim 30, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein VPS isolation includes resource isolation (e.g., col., 7).

73. Referring to claim 31, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the administrative operations include any of: servicing of VPS migration requests; servicing of processes migration requests; and servicing of requests for computer system resources (e.g., col., 6).

74. Referring to claim 32, Huang discloses the claimed limitations as rejected above. Huang also discloses a system for managing computer services provided to users comprising: a computer system; an operating system running on the computer system; a plurality of server processes running within the computer system that provide a service to a user; and an administrative server that instantiates and terminates the server processes in response to user requests for the service (e.g., col., 7).

75. Referring to claim 33, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the server processes include any of a webserver, a file server, an FTP server, an authentication server, a VPS, a chroot environment server, a jail environment, a sandbox environment server, a print server and a Windows Terminal Service, a POP3 server, an IMAP/IMAP4 server, a SMTP server, a scheduler server, a COM/COM+/DCOM server, a cryptographics server, a browser server, a DHCP server, a Distributed file system server, a Distributed Link tracking server, an event log server, a reporting server, a DNS server, a file replicator server, an SSL server, an indexing server, a firewall server, a Kerberos server, an IPSEC server, an instant messaging server, a message write server, a logon server, a Network DDE server, an NLA server, a performance logs and alerts server, a plug and play server, a print spooler server, a protected storage server, a disk encryption server, a routing server, a remote access server, a security account manager server, a system event notification server, a telnet server, a telephony server, an uninterruptible power supply server, a virtual disk server, a Windows installer server, a Windows management instrumentation wireless configuration server, a WMI performance adaptor server, a data base server, a Network address translation

server, an IRC server, a chat server, an X windows server, an inetd server, a volume shadow copy server, a boot and remote boot server, a finger server, a secure shell (SSH) server, a who server, a rexec server, a webster server, a conference server, a radius server, a zip server, a socks server, an afbackup server, a backup server, an ASP server, a fido server, a WAP server, Plesk server TM, a Virtuozzo TM server, a Virtuozzo for Windows TM server, a wireless access server, a wireless router and a wireless access point (e.g., col., 4).

76. Referring to claim 34, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the instantiation is based on a network protocol addressing of the user requests (e.g., col., 6).

77. Referring to claim 35, Huang discloses the claimed limitations as rejected above. Huang also discloses wherein the instantiation is based on a content of the user requests (e.g., col., 6).

78. Referring to claim 36, Huang discloses the claimed limitations as rejected above. Huang also discloses a system for managing computer services provided to users (e.g., col., 6) comprising: an operating system running on a computer system (e.g., col., 6); a plurality of server processes running within the computer system that provide a service to a user (e.g., col., 7); and means for instantiating and terminating the server processes in response to user requests for the service (e.g., col., 7).

79. Claims 1-36 are rejected under 35 U.S.C. 102(e) as being anticipated by Prince et al. 7,337,455 (Hereinafter Prince).

80. Referring to claim 1, Prince discloses a system for managing administration of computer services provided to users (e.g., col., 4) comprising: a computer system; an operating system running on the computer system (e.g., col., 4); a server process launched by the operating system for providing a service to a user (e.g., col., 5); and an isolated Virtual Private Server (VPS) with a set of services that perform administrative operations relating to one of the server process and the operating system (e.g., col., 5).

81. Referring to claim 2, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the server process is any of a file server, an authentication server, a chroot environment server, a jail environment, a print server, a POP3 server, an IMAP/IMAP4 server, an SMTP server, a scheduler server, a COM/COM+/DCOM server, a cryptographies server, a browser server, a DHCP server, a distributed file system server, a Distributed Link tracking server, an event log server, a reporting server, a file replicator server, an indexing server, a firewall server, a Kerberos server, an IPSEC server, a logon server, a Network DDE server, an NLA server, a performance logs and alerts server, a plug and play server, a print spooler server, a protected storage server, a disk encryption server, a routing server, a remote access server, a system event notification server, a telnet server, an uninterruptible power supply server, a Windows Management Instrumentation (WMI) server, a wireless configuration server, a WMI performance adaptor server, a data base server, a network address translation server, an IRC server, an inetd server, a volume shadow copy server, a boot and remote boot server, a finger

server, a who server, a rexec server, a webster server, a conference server, a zip server, an afbackup server, an ASP server, and a fido server (e.g., col., 3)

82. Referring to claim 3, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the server process is any of an FTP server, a sand box environment server, a chat server, an X windows server, a secure shell (SSH) server, and a socks server (e.g., col., 3).

83. Referring to claim 4, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the server process is a webserver (e.g., col., 3).

84. Referring to claim 5, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the server process is any of a file server, a VPS, a Windows Terminal Service, a domain name server, an SSL server, an instant messaging server, a message write server, a security account manager server, a telephony server, a virtual disk server, a Windows installer server, a radius server, and a backup server (e.g., col., 3).

85. Referring to claim 6, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the server process includes any of a WAP server, Plesk server TM, a Virtuozzo TM server, a Virtuozzo for Windows TM server, a wireless access server, a wireless router and a wireless access point (e.g., col., 3).

86. Referring to claim 7, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the administrative operations include any of: collection of statistics relating to the server process; servicing of requests for management of the server process; servicing of requests for management of operating system functions; servicing of requests for computer system resource allocation; servicing of requests for computer system resource re-allocation; servicing of requests for authorization within the operating system; servicing of requests for authorization within the server process; servicing of requests that the server process is forbidden from executing; servicing of requests that the server process cannot execute; servicing of operations that potentially can cause a fault in the server process; servicing of operations that require multiplexing of server processes; data backup and restore operations, update and patch installation; checking permissions for operations; security-related analysis and operations; audit of operations; application installation and configuration; network and other OS and application parameter configuration; driver installation and upgrade; spam filter operation; firewall installation and configuration; creation and deletion of users; creation and deletion of groups; license-related management; and remote access management (e.g., col., 4).

87. Referring to claim 8, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the multiplexing is performed using separation of requests based on a different network protocol address (e.g., col., 4).

88. Referring to claim 9, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the multiplexing is performed using separation of requests based on a content of a request directed to the server process (e.g., col., 5).

89. Referring to claim 10, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the administrative operations include any of: servicing of requests for authorization within the operating system; servicing of requests for authorization within the server process; creation and deletion of users; creation and deletion of groups; license-related management; remote access management; and security-related analysis and operations (e.g., col., 4).

90. Referring to claim 11, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the administrative operations include any of: servicing of requests that the server process is forbidden from executing; servicing of requests that the server process cannot execute; and servicing of operations that potentially can cause a fault in the server process (e.g., col., 4).

91. Referring to claim 12, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the administrative operations includes application installation and configuration (e.g., col., 4).

92. Referring to claim 13, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the administrative operations includes data backup and restore operations (e.g., col., 4).

93. Referring to claim 14, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein VPS isolation can include any of logical isolation of processes, physical isolation of processes, namespace isolation, data isolation, address isolation, fault isolation and performance isolation (e.g., col., 5).

94. Referring to claim 15, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein VPS isolation includes resource isolation (e.g., col., 5).

95. Referring to claim 16, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the administrative operations include any of servicing of VPS migration requests; servicing of processes migration requests; and servicing of requests for computer system resources (e.g., col., 4).

96. Referring to claim 17, Prince discloses the claimed limitations as rejected above. Prince also discloses a system for managing administration of computer services provided to users (e.g., col., 4) comprising: a computer system (e.g., col., 4); an operating system running on the computer system (e.g., col., 4); a plurality of server processes running within the computer

system that provide a service to a user (e.g., col., 5); and a plurality of administrative servers that perform administrative operations relating to the server processes (e.g., col., 5).

97. Referring to claim 18, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the server processes include any of a file server, an authentication server, a chroot environment server, a jail environment, a print server, a POP3 server, an IMAP/IMAP4 server, a SMTP server, a scheduler server, a COM/COM+/DCOM server, a cryptographics server, a browser server, a DHCP server, a distributed file system server, a Distributed Link tracking server, an event log server, a reporting server, a file replicator server, an indexing server, a firewall server, a Kerberos server, an IPSEC server, a logon server, a Network DDE server, an NLA server, a logs and alerts server, a plug and play server, a print spooler server, a protected storage server, a disk encryption server, a routing server, a remote access server, a system event notification server, a telnet server, an uninterruptible power supply server, a Windows Management Instrumentation (WMI) wireless configuration server, a WMI performance adaptor server, a data base server, a network address translation server, an IRC server, an inetd server, a volume shadow copy server, a boot and remote boot server, a finger server, a who server, a rexec server, a webster server, a conference server, a zip server, an afbackup server, an ASP server, a fido server, WAP servers, Plesk server TM, Virtuozzo TM servers, Virtuozzo for Windows TM servers, wireless access servers, wireless routers and wireless access points (e.g., col., 3).

98. Referring to claim 19, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the server process is any of an FTP server, a sand box environment server, a chat server, an X windows server, a secure shell (SSH) server, and a socks server (e.g., col., 3).

99. Referring to claim 20, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the server process is a webserver (e.g., col., 3).

100. Referring to claim 21, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the server process is any of a file server, a VPS, a Windows Terminal Service, a domain name server, an SSL server, an instant messaging server, a message write server, a security account manager server, a telephony server, a virtual disk server, a Windows installer server, a radius server, and a backup server (e.g., col., 3).

101. Referring to claim 22, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the administrative operations include any of: collection of statistics relating to the server process; servicing of requests for management of the server process; servicing of requests for management of operating system functions; servicing of requests for computer system resource allocation; servicing of requests for computer system resource re-allocation; servicing of operations that require multiplexing of server processes; data backup and restore operations, update installation; security-related analysis and operations; audit of operations; network and other OS and application parameter configuration; driver installation and upgrade; spam filter operation; and firewall installation and configuration (e.g., col., 4).

102. Referring to claim 23, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the multiplexing is based on a network protocol addressing (e.g., col., 4).

103. Referring to claim 24, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the multiplexing is based on a content of a request directed to the server process (e.g., col., 5).

104. Referring to claim 25, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the administrative operations include any of: servicing of requests for authorization within the operating system; servicing of requests for authorization within the server process; checking permissions for operations; creation and deletion of users; creation and deletion of groups; license-related management; remote access management; and security-related analysis and operations (e.g., col., 4).

105. Referring to claim 26, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the administrative operations include any of: servicing of requests that the server process is forbidden from executing; and servicing of operations that potentially can cause a fault in the server process (e.g., col., 4).

106. Referring to claim 27, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the administrative operations include application installation and configuration (e.g., col., 4).

107. Referring to claim 28, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the administrative operations include data backup and restore operations (e.g., col., 4).

108. Referring to claim 29, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein VPS isolation can include any of logical isolation of processes, physical isolation of processes, namespace isolation, data isolation, address isolation, fault isolation and performance isolation (e.g., col., 5).

109. Referring to claim 30, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein VPS isolation includes resource isolation (e.g., col., 5).

110. Referring to claim 31, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the administrative operations include any of: servicing of VPS migration requests; servicing of processes migration requests; and servicing of requests for computer system resources (e.g., col., 4).

111. Referring to claim 32, Prince discloses the claimed limitations as rejected above. Prince also discloses a system for managing computer services provided to users comprising: a computer system; an operating system running on the computer system; a plurality of server processes running within the computer system that provide a service to a user; and an administrative server that instantiates and terminates the server processes in response to user requests for the service (e.g., col., 5).

112. Referring to claim 33, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the server processes include any of a webserver, a file server, an FTP server, an authentication server, a VPS, a chroot environment server, a jail environment, a sandbox environment server, a print server and a Windows Terminal Service, a POP3 server, an IMAP/IMAP4 server, a SMTP server, a scheduler server, a COM/COM+/DCOM server, a cryptographics server, a browser server, a DHCP server, a Distributed file system server, a Distributed Link tracking server, an event log server, a reporting server, a DNS server, a file replicator server, an SSL server, an indexing server, a firewall server, a Kerberos server, an IPSEC server, an instant messaging server, a message write server, a logon server, a Network DDE server, an NLA server, a performance logs and alerts server, a plug and play server, a print spooler server, a protected storage server, a disk encryption server, a routing server, a remote access server, a security account manager server, a system event notification server, a telnet server, a telephony server, an uninterruptible power supply server, a virtual disk server, a Windows installer server, a Windows management instrumentation wireless configuration server, a WMI performance adaptor server, a data base server, a Network address translation

server, an IRC server, a chat server, an X windows server, an inetd server, a volume shadow copy server, a boot and remote boot server, a finger server, a secure shell (SSH) server, a who server, a rexec server, a webster server, a conference server, a radius server, a zip server, a socks server, an afbackup server, a backup server, an ASP server, a fido server, a WAP server, Plesk server TM, a Virtuozzo TM server, a Virtuozzo for Windows TM server, a wireless access server, a wireless router and a wireless access point (e.g., col., 3).

113. Referring to claim 34, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the instantiation is based on a network protocol addressing of the user requests (e.g., col., 4).

114. Referring to claim 35, Prince discloses the claimed limitations as rejected above. Prince also discloses wherein the instantiation is based on a content of the user requests (e.g., col., 4).

115. Referring to claim 36, Prince discloses the claimed limitations as rejected above. Prince also discloses a system for managing computer services provided to users (e.g., col., 4) comprising: an operating system running on a computer system (e.g., col., 4); a plurality of server processes running within the computer system that provide a service to a user (e.g., col., 5); and means for instantiating and terminating the server processes in response to user requests for the service (e.g., col., 5).

Conclusion

In order to expedite the prosecution of this case, multiple references are used for the rejections to demonstrate that several references disclose the claimed subject matter of the claims.

Examiner has cited particular columns and line numbers and/or paragraphs and/or sections and/or page numbers in the reference(s) as applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety, as potentially teaching, all or part of the claimed invention, as well as the context of the passage, as taught by the prior art or disclosed by the Examiner.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Haresh Patel whose telephone number is (571) 272-3973. The examiner can normally be reached on Monday, Tuesday, Thursday and Friday from 10:00 am to 8:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn, can be reached at (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

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/Haresh N. Patel/

Primary Examiner, Art Unit 2154

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